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(54) Title: ELECTROFUSION MICROELECTRODE AND METHODS OF USING IT TO MANIPULATE CELLS AND/OR CELLULAR COMPONENTS

(57) Abstract: The present invention relates to an electrofusion microelectrode made of a tube having a first proximal end and a second distal end. The tube has an electrically conductive coating on its exterior surface that extends continually from the first proximal end of the tube toward the second distal end of the tube. Also disclosed is an electrofusion microelectrode unit having an electrofusion microelectrode and a holding tool capable of receiving the electrofusion microelectrode at the second distal end of the tube. The present invention also relates to a system having two or more electrofusion microelectrodes of the present invention and to methods of manipulating cells and/or cellular components using the electrofusion microelectrodes, units, and systems of the present invention.